

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2.32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
9172

SERIAL NO.
10736,018

APPLICANT

Yi Feng Zheng et al.

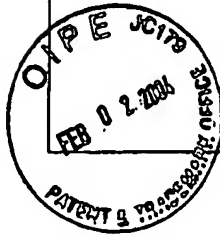
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------------|---------------------|-------|----------|-------------------------------|
| SH | 3,996,344 | Dec. 7, 1976 | Gross | 424 | 1.5 | |
| | 4,016,146 | Apr. 5, 1977 | Soares | 260 | 112 R | |
| | 5,135,863 | Aug. 4, 1992 | Hu et al. | 435 | 188 | |
| | 5,328,828 | Jul. 12, 1994 | Hu et al. | 435 | 7.9 | |
| | 5,470,997 | Nov. 28, 1995 | Buechler et al. | 558 | 254 | |
| | 5,354,693 | Oct. 11, 1994 | Byrnes et al. | 436 | 537 | |
| | 6,033,890 | Mar. 7, 2000 | Jakobovits et al. | 435 | 190 | |
| | 6,090,567 | Jul. 18, 2000 | Jakobovits et al. | 435 | 7.9 | |
| | 5,851,776 | Dec. 22, 1998 | Valkirs | 435 | 7.1 | |
| | 5,336,621 | Aug. 9, 1994 | Primes et al. | 436 | 534 | |
| | 5,514,559 | May 7, 1996 | Markert-Hahn et al. | 435 | 7.92 | |
| ↓ | 5,501,987 | Mar 26, 1996 | Ordenez et al. | 436 | 534 | |

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|---------------------|--------------------|----------------|---------|-------|----------|-----------------------|
| SH | B01 EP 0 183901 A2 | Nov. 5, 1985 | Europe | 33 | 531 | NO |
| SH | B02 DE 2844427 | Apr. 24, 1980 | Germany | | | YES |
| SH | B03 JP 56125666 A | Oct. 2, 1981 | Japan | 436 | 537 | NO |
| SH | B04 WO 86/05189 | Sept. 12, 1986 | Europe | 33 | 531 | NO |
| SH | B05 EP 0 517325 A2 | Jun. 2, 1992 | Europe | 33 | 532 | NO |

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| | C01 | |
| | C02 | |
| | C03 | |

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Examiner

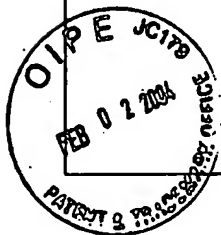
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Date Considered

4/8/05

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(Form PTO-1449 [6-4])



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|---------------------|-----------------|----------------|--------------------|-------|----------|-------------------------------|
| SH | 5,256,409 | Oct. 26, 1993 | Blincko | 424 | 85.8 | |
| | 4,760,142 | Jul. 26, 1988 | Primes et al. | 544 | 287 | |
| | 5,518,887 | May 21, 1996 | Parsons et al. | 435 | 7.1 | |
| | 4,868,132 | Sept. 19, 1989 | Byrnes et al. | 436 | 546 | |
| | 5,270,166 | Dec. 14, 1993 | Parsons et al. | 435 | 7.4 | |
| | 5,976,812 | Nov. 2, 1999 | Huber et al. | 435 | 7.1 | |
| | 4,952,336 | Aug. 28, 1990 | Byrnes et al. | 252 | 301.16 | |
| | 4,329,281 | May 11, 1982 | Christenson et al. | 260 | 112.8 | |
| | 5,026,827 | Jun. 25, 1991 | Miyazaki et al. | 530 | 405 | |
| | 5,233,025 | Aug. 3, 1993 | Miyazaki et al. | 530 | 388.9 | |
| | 5,262,333 | Nov. 16, 1993 | Heiman et al. | 436 | 537 | |
| ✓ | 5,616,503 | Apr. 1, 1997 | Self | 436 | 518 | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|---------------------|-------------------|---------------|---------|-------|----------|-----------------------|
| SH | B06 JP 53066417 A | Jun. 13, 1978 | Japan | 436 | 534 | NO |
| SH | B07 JP 63220932 | Sept. 2, 1988 | Japan | 530 | 388.9 | NO |
| SH | B08 WO 90/15798 | Dec. 27, 1990 | Europe | | | NO |
| SH | B09 GB 1,467,560 | Nov. 27, 1975 | Europe | 317 | 58 | NO |
| SH | B10 GB 828,880 | Jul. 7, 1958 | Europe | | | NO |

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| | C01 | |
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Examiner

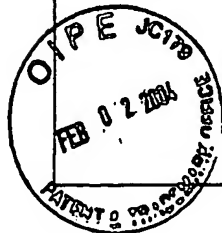
Shifeng Zheng

Date Considered

4/8/05

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|---------------------|-----------------|----------------|-------------------|-------|----------|-------------------------------|
| <i>SH</i> | 5,643,732 | Jul. 1, 1997 | Strahilevitz | 435 | 7.1 | |
| | 5,840,588 | Nov. 24, 1998 | Strahilevitz | 436 | 518 | |
| | 6,140,137 | Oct. 31, 2000 | Sigler et al. | 436 | 536 | |
| | 4,129,598 | Dec. 12, 1978 | Giudicelli et al. | 260 | 570.8 R | |
| | 3,117,160 | Jan 7, 1984 | Holland | 260 | 570.8 | |
| | 3,875,011 | Apr. 1, 1975 | Rubenstein et al. | 195 | 99 | |
| | 1,879,003 | Sept. 27, 1932 | Alles | 564 | 381 | |
| | 1,921,424 | Aug. 8, 1933 | Nabenhauer | 167 | 58 | |
| | 2,344,356 | Mar. 14, 1944 | Hildebrandt | 260 | 570.8 | |
| | 3,547,999 | Dec. 15, 1970 | Shulgin | 260 | 570.8 | |
| | 3,758,691 | Sept. 11, 1973 | Carlsson et al. | 424 | 330 | |
| | 3,763,218 | Oct. 2, 1973 | Kaiser et al. | 260 | 471 A | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|---------------------|--------------------|---------------|---------|-------|----------|-----------------------|
| <i>SH</i> | B11 EP 1 321772 A1 | Dec. 17, 2002 | Europe | 33 | 94 | NO |
| <i>SH</i> | B12 JP 2069196A | Mar. 8, 1990 | Japan | | | NO |
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Examiner

Shafiqur Raza

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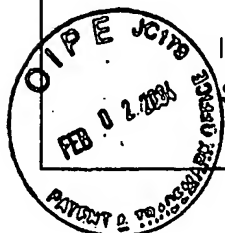
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|---------------------|-----------------|---------------|-----------------|-------|----------|-------------------------------|
| SH | 3,911,016 | Oct. 7, 1975 | Klingler et al. | 260 | 570.8 R | |
| | 4,058,642 | Nov. 15, 1977 | Renth et al. | 424 | 330 | |
| | 4,220,565 | Sept. 2, 1980 | Katz | 260 | 6 | |
| | 4,686,181 | Aug. 11, 1987 | Dona | 435 | 7 | |
| | 4,847,195 | Jul. 11, 1989 | Khanna et al. | 435 | 7 | |
| | 5,101,015 | Mar. 31, 1992 | Byrnes et al. | 530 | 363 | |
| | 5,198,587 | Mar. 30, 1993 | Imai et al. | 564 | 374 | |
| | 5,424,204 | Jun. 13, 1995 | Aoyama et al. | 435 | 188 | |
| | 4,041,076 | Aug. 9, 1977 | Avenia et al. | 260 | 559 A | |
| | 3,709,868 | Jan. 9, 1973 | Spector | 260 | 121 | |
| | 3,766,162 | Oct. 16, 1973 | Spector | 260 | 112 R | |
| | 3,775,536 | Nov. 27, 1973 | Spector et al. | 424 | 1 | |
| | 3,847,950 | Nov. 12, 1974 | Suh et al. | 260 | 340.5 | |

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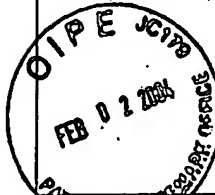
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|---------------------|-----------------|---------------|-------------------|-------|----------|-------------------------------|
| SH | 3,867,366 | Feb. 18, 1975 | Rubenstein et al. | 260 | 121 | |
| | 3,995,021 | Nov. 30, 1976 | Gross | 424 | 1.5 | |
| | 4,022,878 | May 10, 1977 | Gross | 424 | 1.5 | |
| | 4,036,823 | July 19, 1977 | Soares | 260 | 112 R | |
| | 4,064,228 | Dec. 20, 1977 | Gross | 424 | 1 | |
| | 4,073,798 | Feb. 14, 1978 | Suh | 260 | 340.5 R | |
| | 4,097,586 | Jun. 27, 1978 | Gross | 424 | 1 | |
| | 4,218,539 | Aug. 19, 1980 | Weltman | 435 | 188 | |
| | 4,595,656 | Jun. 17, 1986 | Allen et al. | 435 | 7 | |
| | 4,680,338 | Jul. 14, 1987 | Sundoro | 525 | 54.1 | |
| | 4,843,147 | Jun. 27, 1989 | Levy et al. | 530 | 391 | |
| | 4,990,443 | Feb. 5, 1991 | Huber et al. | 435 | 7.9 | |

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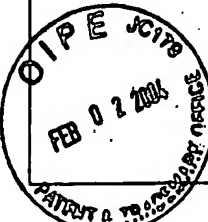
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| SH | 5,145,791 | Sep. 8, 1992 | Zeitvogel et al. | 436 | 546 | |
| | 5,227,472 | Jul. 13, 1993 | Yoshioka | 530 | 403 | |
| | 5,266,720 | Nov. 30, 1993 | Gallacher et al. | 560 | 60 | |
| | 5,294,638 | Mar. 15, 1994 | Hell et al. | 514 | 452 | |
| | 5,372,949 | Dec. 13, 1994 | Zeitvogel et al. | 436 | 546 | |
| | 5,373,092 | Dec. 13, 1994 | Gallacher et al. | 435 | 7.93 | |
| | 5,492,841 | Feb. 20, 1996 | Craig | 436 | 534 | |
| | 5,525,524 | Jun. 11, 1996 | Buechler et al. | 436 | 518 | |
| | 5,610,283 | Mar. 11, 1997 | Buechler | 530 | 404 | |
| | 6,214,859 | Apr. 10, 2001 | Yoneda et al. | 514 | 419 | |
| | 0,175,995 | Sep. 18, 2003 | Hui | 436 | 547 | |
| | 0,170,917 | Sep. 11, 2003 | Hui et al. | 436 | 547 | |

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